# SCIENCE NEWS INDEX

Vol. 136, Nos. 1-26, July-December 1989, pp. 1-432
Science Service, Washington, D.C. 20036

## A

Abalone . . . 383
Aboav, David . . . 72
Aboav-Weaire law . . . 76
Abortion . . . 310, 331
Abrahamson, Dean E. . . . 127
Abrams, Donald I. . . . 231
Abzymes . . . 152
Accelerometers . . . 9
Accurso, Frank J. . . . 233
Acetylcholine . . . 349
Acetylsalicylic acid . . . 55, 341
Acid rain . . . 7, 56, 151, 413
Adams, Lisa A. . . . 332
Addiction . . . 392
Adhesions . . . 222
Adler, Stuart . . . 327
Adolescents . . . 117, 199, 342
Adult respiratory distress syndrome . . . 39
*Aedes* . . . 202
Africanized honeybees . . . 389
*Agelaius* . . . 311
Aggression . . . 15, 250
Aging, cellular . . . 424
Agoraphobia . . . 61
Agranulocytosis . . . 245
Agricultural biotechnology . . . 46, 120
Agriculture, irrigated . . . 398
Agriculture, prehistoric . . . 405
AIDS . . . 54, 99 (correction), 356
AIDS drugs . . . 6, 167, 231
AIDS predictors . . . 298
AIDS prevention . . . 13
AIDS progression . . . 389
AIDS-related complex . . . 102, 135
AIDS treatments . . . 69
AIDS vaccines . . . 116, 372
AIDS virus . . . 141
Air pollution controls . . . 381
Aitchison, I.J.R. . . . 363
Aksay, Ilhan A. . . . 383
Alaska . . . 407, 413
Alberts, David S. . . . 345
Albrecht, Bruce A. . . . 107
Alcohol . . . 318
Alcohol abuse . . . 230, 239
Alderman, Michael H. . . . 116
Algae . . . 141
Algebraic expressions, evaluation . . . 410
Algorithms . . . 344
Allen, Leland C. . . . 390
Almgren, Frederick J. . . . 408, 410
Alpha-1 antitrypsin . . . 233
Alpha carotene . . . 294
Alpha-feto protein . . . 263
Alston, Jim A. . . . 315
Alter, Miriam J. . . . 151
Altman, Sidney . . . 262
Alvarez, Luis . . . 341
Alvarez, Walter . . . 341
Alzheimer's disease . . . 68, 197, 250
American Astronomical Society . . . 300
Amino acids . . . 246
Aminoff, David . . . 425
Amish people . . . 327
Amoebas . . . 216
Amylose . . . 351
*Anagrus* . . . 204
Anantharaman, Thomas . . . 276
Andersen, Robert M. . . . 20
Anderson, Max G. . . . 180
Andors, Allison V. . . . 332
Andrews, Robert S. . . . 266
Angelman syndrome . . . 324
Animal behavior . . . 311
Antarctica . . . 246, 255, 284, 324
Anti-Gal . . . 425
Antibodies . . . 152, 334
Antibodies, anti-APO-1 . . . 69
Anticoagulants . . . 182
Antidepressants . . . 252
Antipsychotics . . . 245, 302, 308
Ants . . . 412
Anxiety disorders . . . 381
*Apatosaurus* . . . 332
Aphids . . . 412
Apnea . . . 233
Appetite . . . 412
Appleby, John . . . 278
Arctic crops . . . 412
Arensburg, Baruch . . . 24
Arieff, Allen I. . . . 85
Armenian, Haroutune K. . . . 284
Armstrong, David F. . . . 24
Aromas . . . 78
Art, headache . . . 136
Arteriosclerosis . . . 342
Arthritis, rheumatoid . . . 236
Arthropods . . . 263
Asakura, Toshio . . . 149
Asaro, Frank . . . 341
Asberg, Marie . . . 250
Asbestos . . . 167
Ash clouds . . . 407
Asp, Nils-Georg . . . 351
Assmann, Gerd . . . 172
Asteroids . . . 334, 343
Astronomy . . . 4, 143
Astrophysics . . . 326
Atallah, Yousef H. . . . 121
Atherosclerosis . . . 349
Athletes . . . 39
Atmosphere, planetary . . . 311
Atoms . . . 103, 117
*Atta* . . . 412
Auerbach, Arleen D. . . . 293
Augustin, Evelyn A. . . . 318
Aurignacian culture . . . 388
Australia . . . 38
Australian aborigines . . . 365
Australopithecines . . . 25
Autism . . . 312
Autoimmune diseases . . . 46
Avalanches . . . 40
Avian influenza virus . . . 200
Azite . . . 406
Azmitia, Efrain C. . . . 248

## B

Babcock, Loren E. . . . 78
Bacteria . . . 341
Baculoviruses . . . 46
Bahcall, John N. . . . 280
Bak, Per . . . 40
Baker, Edward T. . . . 239
Bakker, Robert T. . . . 309
Balachandran, Balu . . . 182
Ballenger, James C. . . . 61
Baltimore, David . . . 244, 389
Banfield, Donald . . . 87
Barber, G. Arthur . . . 268
Barnett, Tim P. . . . 159
Barry, Joan . . . 341
Bartel, Brad . . . 330
Basalt . . . 271
Baseball . . . 88
Batteries . . . 342
Baumann, Gerhard . . . 22
Baumrind, Diana . . . 117
Bayer, Charlene W. . . . 206
Beachy, Roger N. . . . 122
Beck, Aaron T. . . . 365
Bednarski, Mark D. . . . 398
Bedrossian, Peter J. . . . 351
Bees . . . 103, 282, 389
Begelman, Mitchell C. . . . 150, 215
Behavior modification . . . 312
Behringer, Richard R. . . . 149
Beier, Eugene W. . . . 280
Beletsky, Les D. . . . 311
Bell, Gordon L., Jr. . . . 318
Belousov-Zhabotinskii (BZ) reaction . . . 7
Bemporad, Jules R. . . . 91
Benjamin, Lennette J. . . . 362
Benkovic, Stephen J. . . . 153
Benner, Steven A. . . . 229
Bennett, Christopher S. . . . 318
Bennett, Robert M. . . . 236
Benton, David . . . 247
Benzene . . . 165, 245
Berge, Glenn L. . . . 183
Bergkvist, Leif . . . 86
Berliner, Hans . . . 276
Berreman, Gerald . . . 343
Beta carotene . . . 294
Beuhler, Robert J. . . . 196
Beutler, Ernest . . . 135
Bezdek, Roger H. . . . 191
Bhasin, Kul B. . . . 126
Bianchi, Diana W. . . . 326
Big Bang . . . 279
Bile acids . . . 344
Billings, Dwight . . . 127
Biological clock . . . 13, 317
Biosensors . . . 286
Biotechnology . . . 334
Birds . . . 269, 311, 332
Bishop, J. Michael . . . 244
Blacks . . . 15, 214, 404
*Blatella* . . . 405
Blindness . . . 297
Blood analysis . . . 405
Blood clot dissolvers . . . 23
Blood vessels . . . 367
Bockris, John O'M. . . . 278
Body weight . . . 327
Boes, Eldon C. . . . 44
Bogalusa Heart Study . . . 15
Bollinger, John J. . . . 181
Bomb detection . . . 6
Bonamo, Patricia M. . . . 263
Bone marrow . . . 293, 362
*Borrelia* . . . 374
Borromean rings . . . 409
Borscheim, Robert L. . . . 87
Borucki, William J. . . . 111
Bosons . . . 260
Bothun, Gregory D. . . . 60
Botkin, Daniel B. . . . 124
Bourne, Malcolm . . . 206
Bowden, Richard D. . . . 57
Bowlby, John . . . 91
Bown, Thomas M. . . . 332
Bowring, Samuel A. . . . 228
Boyd, Michael R. . . . 141
Boyer, Timothy H. . . . 363
Boyle, Stewart . . . 359
Brackett, Robert E. . . . 119
Bradley, Richard . . . 330
Brain . . . 248, 309
Brain damage . . . 404
Brain imaging . . . 204
Brain lateralization . . . 204
Brain plaque formation . . . 68
Brakke, Ken . . . 410
Brasier, Martin . . . 61
Brasseur, Guy P. . . . 324
*Brassicas* . . . 351
Bratbak, Gunnar . . . 100
Breakey, William R. . . . 302
Bredehoeft, John D. . . . 279
Brenner, Richard J. . . . 405
Brenner, Sydney . . . 254
Bridges . . . 367
Broccoli . . . 351
Broder, Samuel . . . 228
Broecker, Wallace S. . . . 132
Broelsch, Christoph E. . . . 358
Bromley, D. Allan . . . 395
*Bromus* . . . 127
Brown, Gregory L. . . . 39
Brown, Michael S. . . . 71
Brown, Sandra . . . 124
Bryan, Kirk . . . 413
Bubble clusters . . . 408
Bubbles . . . 72
Bucci, Enrico . . . 149
Buckminsterfullerenes . . . 406
Budding, Karen E. . . . 388
Bugg, Charles E. . . . 349
Buildings . . . 198, 206, 212
Buller, Mary K. . . . 345
Burial practices . . . 330
Buring, Julie E. . . . 55
Burns, Joseph R. . . . 329
Burns, Michael M. . . . 212
Burns, Trudy L. . . . 327
Busby, Robert W. . . . 367
Bush, George . . . 395

## C

Cahen, Daniel . . . 165
Cahuachi . . . 13
Calcium . . . 277
Calcium carbonate . . . 383
Calne, Donald B. . . . 84
Cambrian period . . . 61
Campbell, Lloyd D. . . . 351
Campbell, Murray . . . 276
Campbell, Susan E. . . . 376
Campins, Humberto . . . 143
Cancer . . . 150, 244
Cancer, bladder . . . 230
Cancer, breast . . . 86, 164, 302, 311, 325
Cancer, cervical . . . 310
Cancer, chemotherapy . . . 228, 235, 325
Cancer, colorectal . . . 70, 228
Cancer, diet . . . 294, 344, 351
Cancer, lung . . . 102
Cancer, ovarian . . . 52
Cancer, pancreatic . . . 70
Cancer, skin . . . 30
Cancer, vaginal . . . 396
Cancer cells . . . 69
Cancer development . . . 92
Cancer prevention . . . 344
Cancer risk factors . . . 30, 263, 404, 406
Cancer therapy . . . 197, 234, 302, 334
Cancer treatments . . . 5
Cannon, Aubrey . . . 330
Cantharidin . . . 189
Canthaxanthin . . . 294
Cantor, Charles R. . . . 230
Carbohydrates . . . 185
Carbon . . . 284, 406
Carbon dioxide . . . 132, 143, 359
Carbon isotope analysis . . . 61, 168, 169
Carbon monoxide . . . 342
Carbonaceous chondrites . . . 334
Carbons, bridgehead . . . 373
Cardiopulmonary resuscitation . . . 85
Carnosaurs . . . 21
Carotenoids . . . 294
Carpenter, Kenneth . . . 332
Carr, Stephen H. . . . 108
Carruthers, Ray . . . 46
Casey, Daniel E. . . . 308
Caskey, C. Thomas . . . 75, 254
Castelli, William P. . . . 171
Catalysts . . . 31
Cathepsin-D . . . 325
Cats . . . 71, 318
Cattle-raising practices . . . 381
Cavaney, Red . . . 94
Cavoli, S. Richard . . . 206
Çayönü Tepesi . . . 405
Cech, Thomas R. . . . 262
Cell stiffening . . . 39
Cells . . . 234, 286
Cells, killer . . . 141
Cellular death . . . 424
Ceramic compounds . . . 182
Ceramics . . . 133, 383
Ceratopsian dinosaurs . . . 309
Cereal, high-fiber . . . 412
Cereals . . . 46
Cervical cap . . . 101
Cesarean section . . . 182
Cetiedil . . . 362
Chaikin, Paul M. . . . 356
Chaitman, Bernard R. . . . 342
Challa, Malakondayya . . . 262
Chaloner, Bill . . . 86
Chamberlin, A. Richard . . . 246
Chandler, John F. . . . 343
Chang, David B. . . . 183
Charache, Samuel . . . 360
Charged massive particles . . . 214
Charlton, Jane C. . . . 310
Chase, Philip G. . . . 26, 195
Chase, Thomas N. . . . 84
Chatigny, Victor . . . 328
Chemical reactions, oscillating . . 6
Chen, Jung-Huei . . . 126
Cheng, Andrew F. . . . 111
Chess . . . 276
Chicken wire, molecular . . . 406
Child abuse . . . 61
Childrearing . . . 332
Children . . . 188, 247
Children, behavior . . . 15
Children, depression . . . 90
China . . . 78
Chippers . . . 392
Chitin . . . 189
Choi, Dennis W. . . . 292
Cholesterol . . . 344
Cholesterol, dietary . . . 318
Cholesterol screening . . . 359
Chortyk, Orestes T. . . . 398
Chu, Chih-Chang . . . 223
Chu, Paul C.W. . . . 278
Chu, Steven . . . 117
Chudnovsky, David V. . . . 166
Chudnovsky, Gregory V. . . . 166
Chupp, Timothy E. . . . 181
Church, M. Robbins . . . 151
Cigarettes, low-tar . . . 398
Cilia . . . 414
Circles . . . 31
Clark, Leland C., Jr. . . . 149
Clark, Margaret R. . . . 424
Clarke, Theodore C. . . . 218
Clean Air Act . . . 245
Clean air strategies . . . 53
Climate models . . . 127, 196, 413
Clomipramine . . . 175
Clonidine . . . 358
Clouds . . . 106, 196
Cloutis, Edward A. . . . 62
Clozapine . . . 245
Clozaril . . . 245
Cocaine . . . 230, 358
Cocaine, crack . . . 393
Cockroaches . . . 405
Coelurosaurs . . . 21
Cognitive therapy . . . 365
Cohen, Marc . . . 55
Cohen, Marvin L. . . . 134
Cohen, Sheldon . . . 358
Cold weather survival . . . 38
*Coleochaete* . . . 70
Colliders . . . 159, 199
Collier, Robert J. . . . 300
Collier, Timothy J. . . . 379
Collins, Francis S. . . . 149, 325
Collmer, Candace W. . . . 122
Colome, Steven D. . . . 245
Color blindness . . . 215
Compact Ignition Tokamak . . 255
Composite materials . . . 108, 222
Compound bonding . . . 373
Computer chess . . . 276
Computer graphics . . . 408
Computer memory . . . 151
Computer models . . . 262, 310
Computer security . . . 284
Computer simulations . . . 42
Computers . . . 346
Concrete . . . 166, 391
Connor, Edward F. . . . 37
Constellation Cygnus . . . 4
Contact electrification . . . 406
Contact lenses . . . 197
Contraception . . . 101
Convention on International Trade in Endangered Species . . . 94
Cook, Richard J. . . . 293
Coombs, Robert W. . . . 389
Cooper, Ellen C. . . . 299
Copper . . . 277
Coren, Stanley . . . 180
Coronagraphs . . . 357
Cosmic radiation . . . 315
Cotman, Carl W. . . . 68
Coulomb explosion imaging . . . 47
Coulston, Ann M. . . . 185
Cox, Stephen K. . . . 106
CPAP . . . 233
Cramer, Daniel W. . . . 52
Crameri, Reto . . . 317
Crops, rain forest . . . 47
Cross, Alan J. . . . 250
Crotts, Arlin P.S. . . . 12
Cryptogamic crust . . . 376
Crystal, Ronald G. . . . 233, 372
Crystals . . . 134, 206, 315, 317, 349
Cubic polynomials . . . 410
Cyanobacteria . . . 376
Cynamon, Marcie L. . . . 28
Cystic fibrosis . . . 149, 233, 325
Cytomegalovirus . . . 327

## D

Dairy products . . . 52
Daisey, Joan M. . . . 245
Dale, George L. . . . 424
Dall'Acqua, Francesco M. . . . 5
Damasio, Antonio R. . . . 309
Darion site, Belgium . . . 165
Dark matter . . . 84, 340
Dash, J. Gregory . . . 407
Davidson, Iain . . . 26
Davidson, Lucy E. . . . 342
Davis, Pamela B. . . . 310

# SCIENCE NEWS INDEX

Vol. 136, Nos. 1-26, July-December 1989, pp. 1-432
Science Service, Washington, D.C. 20036

## A

Abalone . . . 383
Aboav, David . . . 72
Aboav-Weaire law . . . 76
Abortion . . . 310, 331
Abrahamson, Dean E. . . . 127
Abrams, Donald I. . . . 231
Abzymes . . . 152
Accelerometers . . . 9
Accurso, Frank J. . . . 233
Acetylcholine . . . 349
Acetylsalicylic acid . . . 55, 341
Acid rain . . . 7, 56, 151, 413
Adams, Lisa A. . . . 332
Addiction . . . 392
Adhesions . . . 222
Adler, Stuart . . . 327
Adolescents . . . 117, 199, 342
Adult respiratory distress syndrome . . . 39
*Aedes* . . . 202
Africanized honeybees . . . 389
*Agelaius* . . . 311
Aggression . . . 15, 250
Aging, cellular . . . 424
Agoraphobia . . . 61
Agranulocytosis . . . 245
Agricultural biotechnology . . . 46, 120
Agriculture, irrigated . . . 398
Agriculture, prehistoric . . . 405
AIDS . . . 54, 99 (correction), 356
AIDS drugs . . . 6, 167, 231
AIDS predictors . . . 298
AIDS prevention . . . 13
AIDS progression . . . 389
AIDS-related complex . . . 102, 135
AIDS treatments . . . 69
AIDS vaccines . . . 116, 372
AIDS virus . . . 141
Air pollution controls . . . 381
Aitchison, I.J.R. . . . 363
Aksay, Ilhan A. . . . 383
Alaska . . . 407, 413
Alberts, David S. . . . 345
Albrecht, Bruce A. . . . 107
Alcohol . . . 318
Alcohol abuse . . . 230, 239
Alderman, Michael H. . . . 116
Algae . . . 141
Algebraic expressions, evaluation . . . 410
Algorithms . . . 344
Allen, Leland C. . . . 390
Almgren, Frederick J. . . . 408, 410
Alpha-1 antitrypsin . . . 233
Alpha carotene . . . 294
Alpha-feto protein . . . 263
Alston, Jim A. . . . 315
Alter, Miriam J. . . . 151
Altman, Sidney . . . 262
Alvarez, Luis . . . 341
Alvarez, Walter . . . 341
Alzheimer's disease . . . 68, 197, 250
American Astronomical Society . . . 300
Amino acids . . . 246
Aminoff, David . . . 425
Amish people . . . 327
Amoebas . . . 216
Amylose . . . 351
*Anagrus* . . . 204
Anantharaman, Thomas . . . 276
Andersen, Robert M. . . . 20
Anderson, Max G. . . . 180
Andors, Allison V. . . . 332
Andrews, Robert S. . . . 266
Angelman syndrome . . . 324
Animal behavior . . . 311
Antarctica . . . 246, 255, 284, 324
Anti-Gal . . . 425
Antibodies . . . 152, 334
Antibodies, anti-APO-1 . . . 69
Anticoagulants . . . 182
Antidepressants . . . 252
Antipsychotics . . . 245, 302, 308
Ants . . . 412
Anxiety disorders . . . 381
*Apatosaurus* . . . 332
Aphids . . . 412
Apnea . . . 233
Appetite . . . 412
Appleby, John . . . 278
Arctic crops . . . 412
Arensburg, Baruch . . . 24
Arieff, Allen I. . . . 85
Armenian, Haroutune K. . . . 284
Armstrong, David F. . . . 24
Aromas . . . 78
Art, headache . . . 136
Arteriosclerosis . . . 342
Arthritis, rheumatoid . . . 236
Arthropods . . . 263
Asakura, Toshio . . . 149
Asaro, Frank . . . 341
Asberg, Marie . . . 250
Asbestos . . . 167
Ash clouds . . . 407
Asp, Nils-Georg . . . 351
Assmann, Gerd . . . 172
Asteroids . . . 334, 343
Astronomy . . . 4, 143
Astrophysics . . . 326
Atallah, Yousef H. . . . 121
Atherosclerosis . . . 349
Athletes . . . 39
Atmosphere, planetary . . . 311
Atoms . . . 103, 117
*Atta* . . . 412
Auerbach, Arleen D. . . . 293
Augustin, Evelyn A. . . . 318
Aurignacian culture . . . 388
Australia . . . 38
Australian aborigines . . . 365
Australopithecines . . . 25
Autism . . . 312
Autoimmune diseases . . . 46
Avalanches . . . 40
Avian influenza virus . . . 200
Azite . . . 406
Azmitia, Efrain C. . . . 248

## B

Babcock, Loren E. . . . 78
Bacteria . . . 341
Baculoviruses . . . 46
Bahcall, John N. . . . 280
Bak, Per . . . 40
Baker, Edward T. . . . 239
Bakker, Robert T. . . . 309
Balachandran, Balu . . . 182
Ballenger, James C. . . . 61
Baltimore, David . . . 244, 389
Banfield, Donald . . . 87
Barber, G. Arthur . . . 268
Barnett, Tim P. . . . 159
Barry, Joan . . . 341
Bartel, Brad . . . 330
Basalt . . . 271
Baseball . . . 88
Batteries . . . 342
Baumann, Gerhard . . . 22
Baumrind, Diana . . . 117
Bayer, Charlene W. . . . 206
Beachy, Roger N. . . . 122
Beck, Aaron T. . . . 365
Bednarski, Mark D. . . . 398
Bedrossian, Peter J. . . . 351
Bees . . . 103, 282, 389
Begelman, Mitchell C. . . . 150, 215
Behavior modification . . . 312
Behringer, Richard R. . . . 149
Beier, Eugene W. . . . 280
Beletsky, Les D. . . . 311
Bell, Gordon L., Jr. . . . 318
Belousov-Zhabotinskii (BZ) reaction . . . 7
Bemporad, Jules R. . . . 91
Benjamin, Lennette J. . . . 362
Benkovic, Stephen J. . . . 153
Benner, Steven A. . . . 229
Bennett, Christopher S. . . . 318
Bennett, Robert M. . . . 236
Benton, David . . . 247
Benzene . . . 165, 245
Berge, Glenn L. . . . 183
Bergkvist, Leif . . . 86
Berliner, Hans . . . 276
Berreman, Gerald . . . 343
Beta carotene . . . 294
Beuhler, Robert J. . . . 196
Beutler, Ernest . . . 135
Bezdek, Roger H. . . . 191
Bhasin, Kul B. . . . 126
Bianchi, Diana W. . . . 326
Big Bang . . . 279
Bile acids . . . 344
Billings, Dwight . . . 127
Biological clock . . . 13, 317
Biosensors . . . 286
Biotechnology . . . 334
Birds . . . 269, 311, 332
Bishop, J. Michael . . . 244
Blacks . . . 15, 214, 404
*Blatella* . . . 405
Blindness . . . 297
Blood analysis . . . 405
Blood clot dissolvers . . . 23
Blood vessels . . . 367
Bockris, John O'M. . . . 278
Body weight . . . 327
Boes, Eldon C. . . . 44
Bogalusa Heart Study . . . 15
Bollinger, John J. . . . 181
Bomb detection . . . 6
Bonamo, Patricia M. . . . 263
Bone marrow . . . 293, 362
*Borrelia* . . . 374
Borromean rings . . . 409
Borscheim, Robert L. . . . 87
Borucki, William J. . . . 111
Bosons . . . 260
Bothun, Gregory D. . . . 60
Botkin, Daniel B. . . . 124
Bourne, Malcolm . . . 206
Bowden, Richard D. . . . 57
Bowlby, John . . . 91
Bown, Thomas M. . . . 332
Bowring, Samuel A. . . . 228
Boyd, Michael R. . . . 141
Boyer, Timothy H. . . . 363
Boyle, Stewart . . . 359
Brackett, Robert E. . . . 119
Bradley, Richard . . . 330
Brain . . . 248, 309
Brain damage . . . 404
Brain imaging . . . 204
Brain lateralization . . . 204
Brain plaque formation . . . 68
Brakke, Ken . . . 410
Brasier, Martin . . . 61
Brasseur, Guy P. . . . 324
*Brassicas* . . . 351
Bratbak, Gunnar . . . 100
Breakey, William R. . . . 302
Bredehoeft, John D. . . . 279
Brenner, Richard J. . . . 405
Brenner, Sydney . . . 254
Bridges . . . 367
Broccoli . . . 351
Broder, Samuel . . . 228
Broecker, Wallace S. . . . 132
Broelsch, Christoph E. . . . 358
Bromley, D. Allan . . . 395
*Bromus* . . . 127
Brown, Gregory L. . . . 39
Brown, Michael S. . . . 71
Brown, Sandra . . . 124
Bryan, Kirk . . . 413
Bubble clusters . . . 408
Bubbles . . . 72
Bucci, Enrico . . . 149
Buckminsterfullerenes . . . 406
Budding, Karen E. . . . 388
Bugg, Charles E. . . . 349
Buildings . . . 198, 206, 212
Buller, Mary K. . . . 345
Burial practices . . . 330
Buring, Julie E. . . . 55
Burns, Joseph R. . . . 329
Burns, Michael M. . . . 212
Burns, Trudy L. . . . 327
Busby, Robert W. . . . 367
Bush, George . . . 395

## C

Cahen, Daniel . . . 165
Cahuachi . . . 13
Calcium . . . 277
Calcium carbonate . . . 383
Calne, Donald B. . . . 84
Cambrian period . . . 61
Campbell, Lloyd D. . . . 351
Campbell, Murray . . . 276
Campbell, Susan E. . . . 376
Campins, Humberto . . . 143
Cancer . . . 150, 244
Cancer, bladder . . . 230
Cancer, breast . . . 86, 164, 302, 311, 325
Cancer, cervical . . . 310
Cancer, chemotherapy . . . 228, 235, 325
Cancer, colorectal . . . 70, 228
Cancer, diet . . . 294, 344, 351
Cancer, lung . . . 102
Cancer, ovarian . . . 52
Cancer, pancreatic . . . 70
Cancer, skin . . . 30
Cancer, vaginal . . . 396
Cancer cells . . . 69
Cancer development . . . 92
Cancer prevention . . . 344
Cancer risk factors . . . 30, 263, 404, 406
Cancer therapy . . . 197, 234, 302, 334
Cancer treatments . . . 5
Cannon, Aubrey . . . 330
Cantharidin . . . 189
Canthaxanthin . . . 294
Cantor, Charles R. . . . 230
Carbohydrates . . . 185
Carbon . . . 284, 406
Carbon dioxide . . . 132, 143, 359
Carbon isotope analysis . . . 61, 168, 169
Carbon monoxide . . . 342
Carbonaceous chondrites . . . 334
Carbons, bridgehead . . . 373
Cardiopulmonary resuscitation . . . 85
Carnosaurs . . . 21
Carotenoids . . . 294
Carpenter, Kenneth . . . 332
Carr, Stephen H. . . . 108
Carruthers, Ray . . . 46
Casey, Daniel E. . . . 308
Caskey, C. Thomas . . . 75, 254
Castelli, William P. . . . 171
Catalysts . . . 31
Cathepsin-D . . . 325
Cats . . . 71, 318
Cattle-raising practices . . . 381
Cavaney, Red . . . 94
Cavoli, S. Richard . . . 206
Çayönü Tepesi . . . 405
Cech, Thomas R. . . . 262
Cell stiffening . . . 39
Cells . . . 234, 286
Cells, killer . . . 141
Cellular death . . . 424
Ceramic compounds . . . 182
Ceramics . . . 133, 383
Ceratopsian dinosaurs . . . 309
Cereal, high-fiber . . . 412
Cereals . . . 46
Cervical cap . . . 101
Cesarean section . . . 182
Cetiedil . . . 362
Chaikin, Paul M. . . . 356
Chaitman, Bernard R. . . . 342
Challa, Malakondayya . . . 262
Chaloner, Bill . . . 86
Chamberlin, A. Richard . . . 246
Chandler, John F. . . . 343
Chang, David B. . . . 183
Charache, Samuel . . . 360
Charged massive particles . . . 214
Charlton, Jane C. . . . 310
Chase, Philip G. . . . 26, 195
Chase, Thomas N. . . . 84
Chatigny, Victor . . . 328
Chemical reactions, oscillating . . 6
Chen, Jung-Huei . . . 126
Cheng, Andrew F. . . . 111
Chess . . . 276
Chicken wire, molecular . . . 406
Child abuse . . . 61
Childrearing . . . 332
Children . . . 188, 247
Children, behavior . . . 15
Children, depression . . . 90
China . . . 78
Chippers . . . 392
Chitin . . . 189
Choi, Dennis W. . . . 292
Cholesterol . . . 344
Cholesterol, dietary . . . 318
Cholesterol screening . . . 359
Chortyk, Orestes T. . . . 398
Chu, Chih-Chang . . . 223
Chu, Paul C.W. . . . 278
Chu, Steven . . . 117
Chudnovsky, David V. . . . 166
Chudnovsky, Gregory V. . . . 166
Chupp, Timothy E. . . . 181
Church, M. Robbins . . . 151
Cigarettes, low-tar . . . 398
Cilia . . . 414
Circles . . . 31
Clark, Leland C., Jr. . . . 149
Clark, Margaret R. . . . 424
Clarke, Theodore C. . . . 218
Clean Air Act . . . 245
Clean air strategies . . . 53
Climate models . . . 127, 196, 413
Clomipramine . . . 175
Clonidine . . . 358
Clouds . . . 106, 196
Cloutis, Edward A. . . . 62
Clozapine . . . 245
Clozaril . . . 245
Cocaine . . . 230, 358
Cocaine, crack . . . 393
Cockroaches . . . 405
Coelurosaurs . . . 21
Cognitive therapy . . . 365
Cohen, Marc . . . 55
Cohen, Marvin L. . . . 134
Cohen, Sheldon . . . 358
Cold weather survival . . . 38
*Coleochaete* . . . 70
Colliders . . . 159, 199
Collier, Robert J. . . . 300
Collier, Timothy J. . . . 379
Collins, Francis S. . . . 149, 325
Collmer, Candace W. . . . 122
Colome, Steven D. . . . 245
Color blindness . . . 215
Compact Ignition Tokamak . . 255
Composite materials . . . 108, 222
Compound bonding . . . 373
Computer chess . . . 276
Computer graphics . . . 408
Computer memory . . . 151
Computer models . . . 262, 310
Computer security . . . 284
Computer simulations . . . 42
Computers . . . 346
Concrete . . . 166, 391
Connor, Edward F. . . . 37
Constellation Cygnus . . . 4
Contact electrification . . . 406
Contact lenses . . . 197
Contraception . . . 101
Convention on International Trade in Endangered Species . . . 94
Cook, Richard J. . . . 293
Coombs, Robert W. . . . 389
Cooper, Ellen C. . . . 299
Copper . . . 277
Coren, Stanley . . . 180
Coronagraphs . . . 357
Cosmic radiation . . . 315
Cotman, Carl W. . . . 68
Coulomb explosion imaging . . . 47
Coulston, Ann M. . . . 185
Cox, Stephen K. . . . 106
CPAP . . . 233
Cramer, Daniel W. . . . 52
Crameri, Reto . . . 317
Crops, rain forest . . . 47
Cross, Alan J. . . . 250
Crotts, Arlin P.S. . . . 12
Cryptogamic crust . . . 376
Crystal, Ronald G. . . . 233, 372
Crystals . . . 134, 206, 315, 317, 349
Cubic polynomials . . . 410
Cyanobacteria . . . 376
Cynamon, Marcie L. . . . 28
Cystic fibrosis . . . 149, 233, 325
Cytomegalovirus . . . 327

## D

Dairy products . . . 52
Daisey, Joan M. . . . 245
Dale, George L. . . . 424
Dall'Acqua, Francesco M. . . . 5
Damasio, Antonio R. . . . 309
Darion site, Belgium . . . 165
Dark matter . . . 84, 340
Dash, J. Gregory . . . 407
Davidson, Iain . . . 26
Davidson, Lucy E. . . . 342
Davis, Pamela B. . . . 310

Davis, Raymond, Jr. 280
Davis, Richard J. 102
Daycare 327
Dayton, Paul K. 255
de Montigny, Claude 249
De Jonghe, Lutgard C. 342
del Cerro, Manuel 300
Deacon, Terrence W. 25
Death practices 330
Deer 357
Dehmelt, Hans G. 103, 262
Delaney, Martin 299
Delwiche, Charles F. 70
Demarest, Arthur A. 365
Deprenyl 365
Depression 132, 150, 248, 365
Derbenev, Yaroslav S. 118
DeSimone, Joseph 361
Desrosiers, Ronald C. 116
Dessler, Alexander J. 111
Dextromethorphan 292
Di Giulio, Richard T. 189
Diabetes 294
Diacetyl 78
Diamond, Louis S. 217
*Diatryma* 332
Dibble, Harold L. 195
Dideoxyinosine 69, 231, 299
Didyk, Borys M. 295
Diet 247, 277, 367
Diet, fat 318
Diet restriction 46
Diltiazem 362
Dinosaurs 21, 38, 309, 332, 413
Diodes 247
Dioxins 94, 165
Diplocids 413
Disabled 239
Diuretics 254
Division TEACCH 313
DNA 126, 234, 246, 254
DNA, mitochondrial 85
DNA fingerprinting 74
Dobkin, David P. 409
Dobrovolskis, Anthony R. 111
Dogs 71, 215
Dooley, Sharon L. 182
Doppler shifts 326
Dorfan, Jonathan M. 260
Douyon, Richard 381
Doyle, Jack 120
Draine, Bruce T. 252
Drexler, Eric 295
Drilling 15, 101, 239, 266, 284
Druffel, Ellen R.M. 133
Drug abuse 188, 239, 332
Drug addiction 215
Drug use, controlled 392
Drugs, psychoactive 302
Drugs, stroke 292
Drumlins 213
Dubey, Jitender P. 71
Dubin, Neil 30
Dubins, Lester E. 31
Dubocovich, Margarita L. 317
Duesberg, Peter H. 54
Dunlap, David D. 351
Dunn, James C. 101
Dunton, Kenneth H. 169
Dwarfism 22
Dyer, Betsey D. 341
Dynes, Robert C. 108
Dysgeusia 317
Dysthymia 90


## E


Earth core 266
Earth crust drilling 266
Earthquake prediction 374, 390
Earthquakes 279
Earthquakes, California 119, 261, 277, 367, 388
Earthquakes, compressional 396
Earthquakes, computer models 41
Earthquakes, eastern U.S. 271
Earthquakes, faults 277
Earthquakes, Soviet Armenia 92
East Kirkton Limestone quarry 372
Ebel, John E. 271
Ebola virus 202
Edelson, Richard L. 5
Edelstein, Stuart J. 360
Eggs 351
Einstein-Polsky-Rosen correlations 88
Eisner, Thomas 189
Ekelund, Lars G. 15
El-Sayed, Sayed 284
Elastin 398
Elderly 92
Electrical fields 412
Electricity, solar-generated 44
Electroconvulsive therapy 381
Electronic tunneling 351
Electrostatic charges 406
Elephants, African 94
Elkin, Irene 365
Ellett, William H. 404
Ellington, Andrew D. 229
Ellison, Gaylord 308
Ellsworth, William L. 119
Elson, Charles E. 345
Emiliani, Cesare 213
Emissions, vehicle 245
Emlen, Woodruff 236
Emmermann, Rolf 268
Emotions 175
Emphysema 233
England, burial practices 330
Enoch, Jay M. 414
*Entamoeba* 216
Entropy, maximum 73
Environmental Protection Agency 120, 245, 317, 381
Enzymes 262, 325
Eocene epoch 71
Epidermal growth factor 39
Erythropoietin 6, 361
Esposito, Larry W. 383
Esterene 393
Estes, James A. 169
Estrogen 86
Ethylene 188
Etter, Margaret C. 86, 110
Eucrites 334
Evolution 229, 254, 357
Expert systems 344
Explosives 6
*Exxon Valdez* 38
Eyes 297


## F


Faghri, Amir 62
Fajer, Eric 143
Falco, S. Carl 122
Falk, Dean 25
Falls, Douglas L. 308
Fanale, Fraser P. 218
Farlow, James O. 309
Farrington, Gregory C. 342
Fatty acids, monounsaturated 318
Fatty acids, omega 3 181, 351
Fatty acids, polyunsaturated 318
Fatty acids, saturated 318
Fauci, Anthony S. 6, 299
Faults 261, 277, 388
Feddes, John R. 412
Feeding monitors 412
Feener, Donald H., Jr. 412
Feinberg, Mark B. 389
Feldman, Ross D. 367
Fertilizers 38, 255
Feshbach, Herman 89
Fetal alcohol syndrome 230
Fetal cell transplants 310, 378
Fiber 344, 351, 412
Fiber geometry 415
Fiber optics, biological 414
Fichtelgebirge 56
Fingerprints 223
Fischbach, Gerald D. 308
Fischer, Pamela J. 302
Fischl, Margaret 298
Fischoff, David A. 121
Fish oils 181, 351
Fisk, Lennard A. 279
Fitzgerald, Garret A. 181
Fitzpatrick, J. Michael 347
Flavin, Christopher 395
Flavorings 318
Fleischmann, Martin 31, 78, 126, 278
Flies, parasitic 412
Florida 405
Fluorouracil 228
Flynn, Anita M. 9
Folate 277
Fontbonne, Annick 186
Food and Drug Administration 120, 165, 231, 245, 298
Food canning 206
Food chain 168
Food spoilage 189
Force microscopes 406
Ford, Daniel E. 180
Forensic biology 74
Forest damage 30, 56
Forests 47, 56, 124
Forman, Lisa 74
Fornaciari, Gino 223
Forte, Michael A. 236
Fortson, E. Norval 181
Fossils 61, 86, 263, 318, 332, 413
Foster, Daniel W. 184
Foster, John S. 295
Fournier, Jean-Marc 212
Fox, Donald A. 87
Fox, Nathan A. 175
Fradkin, Judith E. 149
Franks, Peter 358
Fraser-Smith, Anthony C. 390
Frasure-Smith, Nancy 261
Free radicals 133
Freed, Curt R. 378
Friedlander, Gerhart 196
Friedman, Michael A. 229
Friedman, Robert M. 53
Frieman, Lewis 196
Frost heave 407
Fryer, Patricia 15
Fujimasa, Iwao 8
Fullerenes 406
Funerals 330
Fung, Inez Y. 132
Fungi 46
Furans 165
Furda, Ivan 345
Furth, Harold P. 255
Fusion 196, 247, 255
Fusion, cold 31, 78, 126, 278, 406


## G


Gaffey, Michael J. 334
Gage, Fred H. 378
Gage, J. Rodney 329
Gaia hypothesis 127
Galactose 52
Galaxies 252, 340
Galaxies, distribution 340
Galaxy formation 60, 164, 279, 310
Galileo missions 218, 325
Galili, Uri 425
Gallex 281
Galli, Giulia 166
Gallium arsenide 68
Gallium phosphide 62
Gang, Eli S. 182
Gangliosides 292
Garbesi, Karina 391
Garcia, Armando 75
Gardens, indoor 412
Garding, Maria 394
Garfinkel, Lawrence 52
Garfinkel, Leonard I. 217
Gasparro, Francis P. 5, 237
Gaston, Marilyn H. 362
Gaucher's disease 135
Gazzaniga, Michael S. 204
Geist, Timothy 215
Gelberg, Lillian 302
Geller, Barbara G. 90
Geller, Margaret J. 340
Gene mapping 230, 254
Gene therapy 233
Genetic algorithms 346
Genetic diseases 92, 324, 325, 326, 327
Genetic engineering 120, 149, 188, 197, 334
Genetic imprinting 324
Genetic testing 325, 326
Genetics 327
Genomic imprinting 92
Geological equations 407
Geometric shape, molecular 47
Geometry Supercomputer Project 408
Gibbs, Clarence J. 116
Gillette, David 413
Giovanelli, Riccardo 164
Glashow, Sheldon L. 214
Glazier, James A. 72
Global sea levels 397
Global seas 5
Global warming, CFCs 367
Global warming, clouds 107
Global warming, peatlands 143, 413
Global warming effects 15, 134, 397
Global warming policy 359, 394
Global warming predictions 127, 413
Global wilderness inventory 94
Globular clusters 12
Gloves 62
Glutamate 292
Glutathione 372
Gluzman, Semyon 278
Gold particles 70
Goldberg, David E. 346
Goldberg, Eugene P. 222
Goldhaber, Alfred S. 363
Goldman, Janlori 75
Goldreich, Peter 87
Golovchenko, Jene A. 212
Golub, Edward S. 235
Golub, Leon 223
Good, Robert A. 46
Gooding, James L. 53
Goodkin, Karl 150
Gordon, C. David 136
Gore, Albert 395
Gotto, Anthony M., Jr. 172
Grabowski, Gregory A. 135
Graham, Elizabeth 20, 373
Graham, Robert A. 329
Graham, Saxon 102
Grajal, Alejandro 269
Grasshoppers 46
Gravegoods 330
Gravity, galactic 375
Grayson, Matt 409
Greece, burial practices 330
Greenland 239
Gregory, Brooke 215
Grest, Gary S. 76
Grieser, DiAnne 37
Griffin, Donald R. 282
Grossman, Arie 183
Group therapy 302
Growth hormones 22
Grulke, Nancy E. 189
Grundy, Scott M. 184, 185
Gunn, Charlie 409, 410
Gunn, James E. 340
Gunnison, Katie E. 383
Guns 126
Gurman, Joseph B. 52, 357
Gussow, Joan D. 121
Gymnosperms 86
Gyorgy, E. Michael 383


## H


Habicht, F. Henry 165
Hacker, Frederick J. 92
Haffner, Steven M. 185
Hagelstein, Peter L. 406
Hair, fiber optic properties 414
Hair pulling 175
Hall, Judith G. 92, 324
Hall, Zach W. 308
Haloperidol 308
Halperin, William P. 47
Halpern, Diane F. 180
Hammel, Heidi 148
Hammond, Paul B. 87
Handedness 180
Hanshaw, Bruce 78
Haptoglobin-related protein 164
Harbison, James P. 68
Hardy, Ralph W.F. 120
Harris, Maureen I. 294
Harris, William E. 12
Harshfield, Gregory A. 214
Hatch, Gary E. 53
Hauser, Stephen, L. 21
Havel, Richard J. 277
Haynes, Martha P. 164
Hays, James F. 268
Head injury 309
Headaches 136
Heald, Fred P. 318
Heart disease 349, 367
Heart disease, stress 261
Heart disease correlations 184, 254, 341
Heart disease risk 55, 185, 284, 318, 342
Heart rate 15
Heat pipes 62
Heavy Ion Counter 325
Hecht, Sidney M. 246
Hedberg, Katrina 396
Hedges, John I. 284
Heeger, Alan J. 356
Hefeneider, Steven H. 236
Heisick, Judy E. 119
Helin, Eleanor F. 343
Heliopause 231
Helioseismology 281
Heller, H. Craig 30
Hellström, Karl Eric 69
Hemmorhagic fever 202
Hemoglobin 360
Henderson, Ronald A. 203
Heninger, George R. 252
Hepatitis B 199
Hepatitis C 151
Hernquist, Lars 150
Herrmann, Klaus M. 122
HH111 complex 55
Hiatt, Andrew 334
Hibernation 30
Hicks, John W. 75
Hidalgo, Araceli 343
Hidalgo, Cesar 343
Higgs particles 260
Hildreth, Nancy G. 311
Hine, Alice 343
HIV 54
Ho, David D. 389
Hoagland, Peter D. 344
Hoatzin 269
Hodge, Carl N. 373
Hofmann, David J. 54, 246
Holian, Andrij 167
Holland, Heinrich D. 377
Holland, John H. 346
Holland, John J. 201
Hollinshead, Ariel C. 235
Holloway, Ralph L. 25
Holm-Hansen, Osmund 284
Holocaust survivors 271
Holvey, Sherman M. 185
Homeless 302
Honeybees 282
Hood, Leroy E. 254
Hoofnagle, Jay H. 151
Hopke, Philip 391
Horne, James A. 260
Hornick, Sharon B. 255
Horstman, Kevin C. 301
Hoskins, Bernard F. 86
Hoth, Daniel F. 135, 299
Houghton, Richard A. 132
Howell, Stephen H. 124
Huchra, John P. 340
Huggins, Robert A. 133
Huizenga, John R. 78, 278
Human evolution 100, 365
Human papillomavirus 310
Humphrey, Patrick P.A. 249
Hundhausen, Arthur J. 52
Hunt, Steven C. 254
Hunter-gatherers 343
Hunter, Robert O. 255
Hunter, Saundra MacD. 15
Hus, Feng-hsiung 276
Hydrogen ring 84
Hydropiezoelectricity 329
Hydroxyurea 361
Hynd, George W. 404
Hyoid bones 24
Hyperbolic viewer 409
Hypertension 116, 254, 263, 349, 367


## I


Iapetus 62
Ice 407
Ice Age 213, 239
Ice hockey, indoor 396
Image analysis 407
Immune system 21, 46, 141
Immune system regulation 36
Immunity 235
Impact theory, extinctions 341
Incinerators 381
Infants 37, 182, 233
Ingersoll, Andrew P. 103, 391
Injuries 188, 309, 318
Insect feeding 412
Insects 202
Insel, Thomas R. 250
Insomnia 13
Insulin 184, 254
Interferon, alpha 141
International Thermonuclear Engineering Reactor 255
*In vitro* fertilization 326
Io 143
Ion beams 247
Ionophores 222
Ions 262
IQ 404
Iridium 341
Iron 277
Iroquois, burial practices 330
Irrigated agriculture 398
Irwin, M.J. 164, 375
Ischemic disease 341, 342, 358
Itano, Wayne M. 292
Iverson, Brent L. 155
Ivory Trade Review Group 94

## J


Jackson, Carl W. 425
Jacobs, Gerald 215
Jacobsen, Stephen G. 9
Jacobson, Herbert I. 263
Jaeger, Heinrich M. 41
Janda, Kim D. 152
Jeanloz, Raymond 134
Jenkins, Jon M. 383
Jet lag 317
Jin, Sungho 383
Joachim, Catherine L. 197
Johnson, Dale 56
Johnson, Lawrence A. 175
Johnson, Rolf E. 309
Johnson, Torrence V. 325, 391
Jones, Jonathan D. 191
Jones, Steven E. 126
Jones, Thomas D. 334
Joslin, J. (Dev) 57
Joyce, Gerald F. 262
Juckett, David A. 235
Jull, A.J. Timothy 133
Junin virus 202
Jupiter 218, 325


## K


K-T extinctions 341
Kaback, Michael M. 325
Kaiser, Michael L. 111, 300
Kallenbach, Neville R. 126
Kamen, Robert 23
Kamerow, Douglas B. 180
Kanada, Yasumasa 166
Kaposi's sarcoma 141
Karoly, David J. 15
Kashani, Javad H. 91
Kasparov, Gary 276
Kasper, Siegfried 198
Kawara, Kimiaki 215
Kay, Marguerite M.B. 425
Kazansky, Vadim I. 266
Kazdin, Alan E. 91
Kearney, James J. 75
Kebara cave 13, 24
Keck, Paul E., Jr. 302
Keeley, Lawrence H. 165
Keirstead, Susan A. 244
Keller, Gerta 71
Keller, Martin B. 132
Kennedy, Philip R. 244
Kennett, James P. 71
Kerridge, John F. 53
Kerry, John F. 395
Khalil, M. Aslam K. 213
Kies, Constance 181
Kimes, Brian W. 20
Kinsella, John E. 124
Kirchgessner, Todd G. 327
Kirchner, Wolfgang H. 283
Klevay, Leslie M. 277
Klinger, Lee F. 413
Knot theory 409
Knudsen, Eric 263
Knudsen, Phyllis 263
Koh, Howard K. 30
Kondratenko, Anatoly M. 118
Kornhauser, David 167
Koslowski, Jan 331
Kostyk, Thomas 38
Kowalski, Kazimierz 138
Kozlovsky, Yevgeny A. 266
Krahl-Urban, Bernhard 56
Krammer, Peter H. 69
Krause, Florentin 359, 381
Krider, E. Philip 143
Krimigis, Stamatios 157
Krisch, Alan D. 118
Kritchevsky, David 344
Kritz-Silverstein, Donna 294
Krueger, Arlin J. 246
Krull, Nicholas 407
Krzysanowski, Michal 53
Kudrow, Lee 136
Kuhajda, Francis P. 164
!Kung Bushmen 254
Kurth, William S. 231
Kusserow, Richard P. 359
Kynar Piezo Film 328


## L


Lacey, Cedric 150
Laczkovich, Miklós 31
Laitman, Jeffrey T. 24
Lakshminarayanan, Vasudevan 414
Lamania site 20
Lamb, James 318
Lancet, Doren 374
Lander, Eric S. 74, 254
Landsat 61
Lane, Adair P. 20
Lane, H. Clifford 141, 299
Lange, Richard A. 358
Langston, J. William 84
Large Electron-Positron accelerator 69
Laser applications 117, 212
Lasers, surface-emitting 68
Laskin, Jeffrey D. 5
Lauder, George V. 407
Laughlin, Nellie K. 373
Lavie, Peretz 4
Lazaroids 292
Lead poisoning 87, 126, 373
LEAP preschool 313
Lebofsky, Larry A. 334
Lebowitz, Michael D. 198
Lederberg, Joshua 200
LeDoux, Joseph E. 175
Legg, Leslie 191
LeMarchand, Loïc 102
Lenses 62
Leptons 260
Lerner, Richard A. 152, 234
Lester, Dan F. 252
Leukemia 245, 404
Levamisole 228
Levine, Allen S. 412
Levintow, Leon 244
Levy, Sandra M. 141
Lew, Allan S. 182
Lewis' law 76
Li, Albert P. 120
Liau, Zong-Long 62
Liberman, Philip 24
Liebeskind, John C. 36
Lietman, Paul S. 231
Light 326, 414
Light, artificial 412
Light echoes 12
Lightener, E. Burton 314
Lignin 70
Lincoln, David E. 143
Lindauer, Martin 282
Lindh, Allan G. 119, 277
Lindstrom, Marilyn M. 62
Linearbandkeramik culture 165
Linn, Lawrence S. 302
Liotti, Lance A. 325
Lioy, Paul J. 245
Lipids 254
Lipoprotein lipase 327
Lipoproteins, high-density 171
Lipoproteins, low-density 133
Lipsitt, Lewis P. 332
Liquids 47
Lister, Adrian M. 357
*Listeria* 119
Little, Bertis B. 230
Liu, Amy Y. 134
Liver transplants 358
Lo, K.Y. 279
Lo, Shyh-Ching 356
Loeb, Gerald E. 244
Logan, Jennifer A. 22
Longacre, William 343
Longaretti, Pierre-Yves 87
Lorio, Peter, Jr. 37
Los Angeles, shuttle shock waves 396
Lovaas, O. Ivar 312
Loy, Thomas H. 405
Lubeck, Michael D. 199
Luder, Elisabeth 302
Lunar rocks 62
Lunar transient phenomena 375
Lund, Adrian K. 294
Lund, Raymond D. 297
Lupus 236
Luzindole 317
Lyme disease 374
Lymphocytes 141, 298
Lymphokines 13
Lymphoma 92
Lynch, Jane L. 22


## M


MacDonald, Kristine L. 396
MacDonald, Noel C. 8
MacKay, William P. 412
Macquarie ridge 396
Madala, Rangarao V. 262
Madey, John M. 183
Magma energy 101
Magnetometers 390
Malin 1 60
Malin, David F. 60
Malloy, Michael H. 182
Mammography 311
Manabe, Syukuro 413
Manic depression 327
Manninen, Vesa 172
Manning, James M. 362
Marburg virus 201
Marco Gonzalez site 20
Marden, Albert 408
Marijuana 332
Marks, Laurence D. 70
Maron, Yitzhak 247
Mars 53, 62, 286, 334
Marshall, John C. 26
Martin, Charles R. 31
Martin, George L. 30
Martin, Richard M. 166
Martinez-Palomo, Adolfo 217
Martyny, John W. 126
Marxen, Heiner 191
Masers 262
Mason, Brian 62
Mason, James O. 396
Mason, Robert T. 55
Materials science 108, 126, 222, 314, 356
Mathematics 408
Mathematics, proofs 31
Mathew, Ninan T. 136
Matson, Michael 407
Matten, Lawrence C. 86
Mattson, William J. 37
Maxwell, Fowden G. 389
Maya civilization 20, 365, 373
Mayewski, Paul A. 239
McCarthy, John 159
McCauley, John F. 138
McCloskey, J. Michael 94
McDaniel, James C. 183
McDevitt, Jason P. 222
McGuire, William L. 325
McHugh, William P. 138
McKeigue, Paul M. 185
McKnew, Donald H. 91
McLain, Larry G. 188
McMahon, Richard 164
McMurry, John E. 373
McNally, Karen C. 374
McNeill, William H. 201
McNutt, Ralph L., Jr. 231
MDMA 250
Media, news coverage 342
Medical ailments 381
Medical waste 191
Meeusen, Ronald 121
Meier, Mark F. 397
Meinwald, Jerrold 189
Melanoma 30
Melatonin 317
Melosh, H. Jay 301
Memory loss 332
Menstrual cycle 373
Menzies, John 213
Mercer, Ellen 278
Mercury 311
Merigan, Thomas C., Jr. 299
Merkle, Ralph 295
Mermin, N. David 88
Metals, transparent 31
Metastasis 325
Meteorites 53, 62, 334, 341
Methane 213
Methanogens 143
Methyl acetyl phosphate 362
Methyl amine 78
Metz, Bert 394
Mevalonate 70
Meyers, Alan F. 247
Michaels, Gordon E. 406
Michel, Helen 341
Michelsen, Axel 282
Micro-Electro-Mechanical Systems Workshop 8
Microbe detection 398
Microbursts 159
Microdynamics 8
Micrometeorites 315
Migraine headaches 136, 249
Milbrath, Lester 295
Milk 165
Milky Way Galaxy 279
Miller, Alan S. 395
Miller, Anthony B. 311
Miller, Joseph S. 215
Miller, Michael 172
Miller, Paul R. 189
Millerer, Richard 295
Miner, Ellis 300
Minerals 317
Mintzer, Irving M. 394
Mirelman, David 217
Miscarriage 331
Mitchell, J.F.B. 196
Mites 103
Moertel, Charles G. 228
Molecular engineering 349, 406
Molecular shape 47
Molina, Mario J. 154
Molinari, John 262
Molliver, Mark E. 249
Molvig, Kim 255
Monocytes 141
Moon 311
Mopper, Kenneth 284
Morgan, Thomas H. 311
Mori, Hiroshi 197
Morris, Ian 331
Morris, Mary 13
Morse, Stephen S. 201
Mosasaurs 318
Moses, Judith 3
Mosquitoes 202
Moss, Andrew R. 299
Mosses 413
Mousterian culture 388
Movement 407
Muchmore, William B. 263
Mueller, Thomas J. 425
Muhleman, Duane O. 5, 183
Muller, Richard S. 8
Multi-Telescope Telescope 12
Multiple sclerosis 21
Mummies 223
Murakoshi, Michiaki 294
Murphy, Dennis L. 248
Murphy, Donald J. 85
Murray, Norman 87
Muscles 407
Museums 332
Mycoplasmas 356
Myelin 254


## N


Nademanee, Koonlawee 358
Nagel, Sidney R. 40
Nagourney, Warren 103
Nanotechnology 295
Nasca culture 13
Nathan, David G. 293
National Cholesterol Education Program 171, 186
National Institutes of Health 20
National Science Foundation 20
Natural gas 127
Natural selection 331, 346
Neanderthals 13, 195 (correction), 388
Neitz, Jay 215
Nelson, Robert M. 391
*Neodohrniphora* 412
Neopterin 299
*Neospora* 71
Neptune 36, 87, 103, 111, 119, 148, 300, 391
Nereid 300
Nerves 244, 308
Nervous system 244
Ness, Norman F. 148
Neurons 244, 317
Neuroreceptors 308
Neurotransmitters 248
Neutrinos 260, 280
Neutrons 159, 363, 406
Neutrophil elastase 233
Neutrophils 39
Neve, Rachael L. 68
Nicholls, Robert D. 324
Nienhuis, Arthur W. 362
Niklas, Karl J. 70
Nishida, Minoru 215
Nitrogen 213
Nitrogen oxides 58, 396
Nobel Prizes 244, 262
Noble, William 26
Noordwijk conference 394
Norman, Eric B. 214
Norman, Suzan E. 15
Nowogrodzki, Richard 283
Nuclear reactors 166
Nuclear waste 47
Numbers, prime 191


## O


Obesity 327
Obsessive-compulsive disorder 250
Ocean Drilling Program 15
Ocean floor, vents 239, 295
Ocean temperatures 159
Oceans 71, 284
Oil drilling 279
Oil spill cleanup 38
Olfactory epithelium 374
Olley, J. Gregory 313
Oncogenes 244
Oparil, Suzanne 349
Opiate drugs 36
Oppermann, Hermann 334
Optical matter 212
Oriani, Richard A. 278
Orians, Gordon H. 311
Ornish, Dean M. 367
Oscillators, chemical 6
Osmer, Patrick S. 340
Ostro, Steven J. 342
Ott, Wayne 245
Otto, David A. 87
Ourisson, Guy 103
Owls 263
Oxygen 39
Ozone, smog 22, 53, 94, 154, 198
Ozone, stratospheric 15, 154, 246, 324
Ozone holes 54, 246, 284, 324, 413
Ozone levels 413
Ozone toxicity 189


## P


Padian, Kevin 318
Pain, images of 136
Pakahe 332
Panic 293
Panic disorder 61
Paper mills 94
Papillomavirus 310
Paralysis 244
Park, Robert L. 278
Parker, Ronald R. 255
Parkinson's disease 84, 365, 381
Parliment, Thomas H. 78
Parthenopoulos, Dimitri 151
Particle physics 118, 260, 363
Pasternack, Gary R. 164
Paul, Steven M. 327
Paul, Wolfgang 262
Pauling, Linus 390
Pavich Family Farms 204
Payne, Jude 135
Pearson, Cynthia 101
Peat bogs 143
Peatlands 413
Pectins 206, 344
Pellett, Peter L. 121
Pennebaker, James W. 271
Pennwalt Corp. 328
Periaqueductal gray matter 36
Periodic table, 3-D 390
Peroutka, Stephen J. 248
Pert, Agu 36
Pertussis 276
Pesek, John 204
Peskin, Charles S. 410
Pest infestation 30, 405
Pesticides, natural 46
Peter, Thomas 182
Peters, Charles 47
Peters, Robert 191
Petersen, Kurt E. 9
Petroleum 295
Pfeffer, Richard L. 262
Phair, John 299
Pheromones 55
Phobos 286, 301, 334
Photobiology 237
Photoreceptor cells 297
Photovoltaic devices 44
Physical fitness 199, 214
Physicians 284
Phytoplankton 284
Pi 166
Piantadosi, Steven 164
Pierson, Herbert F. 52
Piezoelectricity 328
Pigs 175
Pine, Linda 325
Pinkus, Lawrence M. 250
Plankton 7
Plants 127, 334
Plants, carbon dioxide fertilization 134, 143
Plants, evolution 70
Plants, fossils 86
Plants, ozone effects 189
Plants, pollution defenses 212
Plants, ripening 188
Plants, stress 37
Plants, thirsty 37
Plants, transgenic 120
Plasma 389
Plasmas, atomic processes 247
Plastics 222, 286, 328

Plumes, ocean 239
Podrid, Philip J. 85
Poggio, Eugene C. 197
Polar vortex 324
Pollare, Thomas 254
Pollution 7
Pollution abatement 191, 334, 381
Polyhedrin 46
Polymerase chain reactions 230
Polymers 222, 286, 328, 356, 406
Polyvinyliden difluoride 328
Pons, B. Stanley 31, 78, 126, 278
Porco, Carolyn 300
Pore structure 47
Postel, Sandra 398
Potter, Andrew E., Jr. 311
Powell, David J. 347
Powell, Lynda H. 261
Powers, Michael D. 313
Prader-Willi syndrome 324
Pregnancy 230, 263, 294, 327
Prescott, William H. 277, 375
Preskorn, Sheldon H. 91
Press, Gary A. 204
Prince, Raymond 261
Prions 308
Probenicid 167
Proffitt, Michael H. 324, 413
Progenotes 229
Propellane molecules 23
Prosopagnosia 309
Prospero, Joseph M. 7
Proteins 246, 308
Proteins, bioelastic 398
Proteins, membrane 425
Proto-oncogenes 244
Pryor, William A. 277
Psallidopoulos, Miltiades 54
Pseudoscorpion 263
Psoralen 5, 237
Psychiatric abuse 278
Psychological trauma 4, 271
Psychotherapy 365
Pterodactyl 318
Pterosaurs 318
Puig-Antich, Joachim 90
Purcell, Robert H. 199
Purslane 351
Pygmies 22
Pyrochroid beetles 189
Pyroelectricity 329


## Q


Qafzeh cave 13
Quantum jump 292
Quantum measurement 292
Quantum mechanics 88, 181, 293, 363
Quantum physics 363
Quarks 260
Quasars 150, 215, 326, 340, 375
Quilter, Jeffrey 331


## R


Radiation, health effects 311, 404
Radio sources 279
Radke, Lawrence F. 107
Radon 222, 317
Rain forests 47
Rainwater, acidic 413
Raleigh, C. Barry 279
Ramsey, Norman F. 262
Rancidity 189
Randall, David A. 107, 196
Rapoport, Alan M. 136
Rappuoli, Rino 276
Reaven, Gerald M. 184, 185
Recommended Daily Allowances 277
Red cell senescence 424
Reddaway, Peter 278
Reddy, Bandaru S. 345
Redmond, D. Eugene 378
Redoubt volcano 407
Redshifts 326, 340
Reeburgh, William S. 213
Reed, Sharon L. 216
Reforestation 381
Reich, Peter 293
Reid, Chantal D. 134
Reid, Lawrence A. 343
Reilly, Stephen M. 407
Reilly, William K. 94, 317
Reinisch, June M. 28
Reipurth, Bo 55
Reiser, Martin 247
Reisfeld, Ralph 69
Relays, electrical 412
Remmers, John E. 233
Remote sensing 413
Rennie, Drummond 20
Rentzepis, Peter M. 151
Reptiles, fossils 372
Research funding 255
Respiratory synctial virus 38
Retinal photoreceptors 414
Retinas 297
Retroviruses 244
Reynolds, Charles F., III 180
Rice, Deborah C. 87
Rich, Thomas H. 38
Richards, Mark A. 271
Richardson, Curtis J. 189
Richardson, Jean L. 188
Richwald, Gary A. 101
Rickert, Vaughn I. 332
Ridker, Paul M. 341
Rifkind, Basil 171
Rigby, J. Keith 309
Rine, Jasper 345
Ringe, Dagmar 23
Riordan, Jack R. 149
Rischmuller, Heinrich 268
Rise, Maud 71
Rivier, Nicolas 73
RNA 229, 246, 262
Roberts, Morton S. 84
Robins, Lee N. 393
Robinson, Gene E. 282
Robots 282
Robson, Richard 86
Rochefort, Henri 325
Rocks 407
Rocks, dating 228
Rocky Flats 47
Rodgers Creek fault 388
Rodriquez, Luis F. 12
Roehrs, Timothy 260
Rogel-Rara, Amelia 343
Roney, Paul L. 167
Roper, Stephen D. 317
Rosa, Patricia A. 374
Rose, Kenneth D. 332
Rosenberg, Barnett 234
Rosenberg, Steven A. 197
Rosenthal, Norman E. 198
Roth, Thomas 260
Rous sarcoma virus 244
Rowe, Nicholas P. 86
Rowland, F. Sherwood 154
Roy, Alec 250
Ruff, Larry J. 396
Runnels, Curtis 330
Running, Steven W. 127
Ruppersberger, John S. 391
Russ, David 261
Russell, James 235
Rust, David M. 52
Rutnick, Douglas P. 76


## S


Sabertooth cats 318
Sahara desert 138
Salazar, Zeus 343
Salem, Norman, Jr. 351
Salk, Jonas 116
Salpeter, Edwin E. 310
Sambrook, Joseph F. 23
Samtani, Manohar P. 347
Samuelson, John 217
Sand flow patterns 40
Sarikaya, Mehmet 383
Satellites 126
Satellites, COBE 279
Satellites, Ginga 4
Satellites, image processing 61
Satellites, LDEF 314
Satellites, Solar Max 52, 357
Satellites, Vega II 329
Sato, Takahide 188
Saturn 183
Saunders, George C. 223
Sauropods 332
Savaraj, Niramol 263
Savedoff, Malcolm P. 326
Scaife, W.J. 206
Scanning tunneling microscopes 351
Schatz, Benjamin 135
Schein, Oliver D. 197
Schell, Donald M. 169
Schepartz, Alanna 222
Schery, Stephen D. 222
Schizophrenia 239, 245
Schmidt, Maarten 340
Schmoldt, Daniel L. 30
Schneeman, Barbara O. 344
Schneider, Donald P. 340
Schneider, Stephen E. 84
Schnieder, Stephen H. 359
Schnittman, Steven M. 54
Schoeberl, Mark R. 155, 246
School Breakfast Program 247
Schopler, Eric 313
Schultz, Peter G. 152
Schultz, Peter H. 334
Schulze, Ernst-Detlef 56
Schwan, Tom G. 374
Schwartz, David P. 277, 388
Schwartz, Joel 294
Schwartz, Richard H. 332
Schwartz, Stephen E. 7
Schwartzman, David W. 127, 376
Scientific misconduct 20
Scott, Charles D. 406
Seamounts 15
Seasonal affective disorder 198, 317
See, Ronald E. 308
Seeds 315
Seeds, fossils 86
Seeley, Thomas D. 282
Seeman, Nadrian C. 126
Segall, Paul 279
Seismic tomography 413
Seismosaurus 413
Selenium 277
Self-organized criticality 42
Selkoe, Dennis J. 197
Sensors 328
Senturia, Stephen 8
Serotonin 248, 250
Sewell, C. Mack 294
Sex selection 175
Sextro, Richard G. 391
Sexual behavior, human 28
Sexual behavior, reptilian 55
Seyfert galaxies 215
Shapiro, Irwin I. 343
Shaw, John 213
Shea, John J. 13
Shea, Patrick M. 6
Shear, William A. 263
Sherr, Evelyn B. 100
Shiffman, Saul 392
Shih, I-Fu 183
Shope, Robert E. 203
Shortle, Walter C. 57
Showalter, Kenneth 6
SHRIMP 228
Sibai, Abla M. 284
Sick building syndrome 206, 212
Sickle cell anemia 360, 404
Sidman, Charles L. 92
Siegel, Jane 236
Siegel, Richard W. 109
Siegel, Ronald K. 392
Sieh, Kerry E. 277
Silicon 9
Silver 182, 223
Silver, Mary 100
Silvera, Isaac 181
Silverman, Debra T. 230
Silverman, Helaine 13
Silverman, Martin S. 297
Simenstad, Charles A. 168
Simonelt, Bernd R.T. 295
Simopoulos, Artemis P. 351
Sita, Lawrence R. 23
Sjögren's syndrome 236
Skeletons 332
Skin moles 30
Skin wounds 39
Skolnick, Michael M. 347
Skull building 405
Sky survey 143
Sleep 13, 260, 317
Sleep disorders 7
Sleep disturbances 180
Slingo, Anthony 106, 196
Smalley, Richard E. 406
Smell 374
*Smilodon* 318
Smith, Belinda M. 344
Smith, Bradford A. 157
Smith, Cyril Stanley 72, 109
Smithson, Timothy R. 372
Smoke, sidestream 398
Smoking 245, 358, 392
Smoking, passive 245
Snakes, garter 55
Snook, Jean T. 318
Snow, George A. 260
Soap froths 72
Soderblom, Laurence A. 148, 247, 300
Sodium 7
Sodium bicarbonate 85
Sodium cyanate 362
Soil, microbial 376
Soil erosion 61
Soil gases 391
Solar collectors 44
Solar cycle 280
Solar flares 223, 280, 325
Solar Max 52
Solar prominences 52, 357
Solar radiation 280
Solar winds 231
Solomon, Susan 54
Sound analysis 37
Soviet Union 278
Space shuttle 206, 314, 396
Spalding, Heather 94
Spectroscopy 262
Speech development 24
Speed limits 294
Sperm 175
Spiegel, David 302
Spierings, Egilius L. 136
Spleen 425
Sponges 255
Sports injuries 188
Sprague, Ann L. 311
Squirrels 30
St. Angelo, Allen J. 189
St. George, Dennis R. 412
Stamatoyannopoulos, George 361
Star formation 20
Starches 351
Starfish 133
Starr, David O'C. 106
Starrfield, Summner 4
Stars 12, 55, 60, 102, 143
Stearns, Stephen C. 331
Steffes, Paul G. 383
Stellar nurseries 12
Stellar winds 12
Stephenson, Andrew G. 331
Steudler, Paul A. 213
Stevenson, Robert E. 75
Stoddart, J. Fraser 349
Stoker, Carol R. 111
Stone, Brad W. 231
Stone, Edward C. 325
Stone, Peter H. 341
Storms 262
Story, Jon A. 344
Stott, Lowell D. 71
Stouffer, Ron J. 413
Strahl, Stuart D. 269
Strain, Boyd R. 134
Strain, Phillip S. 312
Stress 15, 141, 261
Strokes 292, 309
Subduction 396
Sudbury Neutrino Observatory 281
Sugar 398
Suicide 92, 250, 293, 342
Sulfates 7, 149
Sullivan, Joe H. 134
Sullivan, John 408
Sullivan, Louis W. 28, 310
Sun 231, 280
Supercomputers 151
Superconducting Super Collider 199
Superconductors 126, 133, 383
Supercooling 30
Supernovas 12, 252, 310
Supersaurus 413
Surface evolver 410
Sutures, silver 223
Sweat tests 233
Swedo, Susan E. 175
Swift, Andrea V. 404
Syndrome X 184, 185
Synnott, Stephen P. 36
Synthetic materials 86
Syphilis 223


## T


T cells 21, 54, 69, 141, 298
Takahashi, Taro 132
Tanner, Caroline M. 365
Tannich, Egbert 217
Tans, Pieter P. 132
Tantrums 332
Tar sands 62
Tardive dyskinesia 308
Tarksi, Alfred 31
Tasaday 3 (correction) 343
Taste buds 317
Tauer, Andreas 229
Taylor, George W. 329
Taylor, Jean E. 410
Taylor, Stephen L. 121
Teeth 100
Telescopes 12
Television 342
Temin, Howard M. 201
Temperature, atmospheric 15
Temperature, body 30
Temperature, oceanic 159
Terrile, Richard J. 103
Terris, Bruce D. 406
Test, Mary Ann 239
Tetrud, James W. 84
Texas bee invasion 389
Theologis, Athanasios 188
Thermal neutron activator 6
Thompson, W. Douglas 263
Three-dimensional form 410
Tichelaar, Bart W. 396
Tieszen, Larry L. 169, 170
Timber 47
Tin 23
Tissue plasminogen activator 23, 292
Titan (moon of Saturn) 5
Toohey, Richard E. 317
Toon, Owen B. 111
Torus, defining 410
Towne, William F. 283
Townes, Tim M. 362
Toxoplasmosis 71
Transplants 293, 297, 310, 358, 378
Tree damage (correction) 139
Tree poisoning 56
Trees 189
Tremain, Scott 87
*Treponema* 223
Triceratops 309
Trilobites 78
Trinacrene 349
Triticale 46
Tritium 31, 406
Triton 87, 103, 111, 148, 167, 247, 300, 391
Trubow, George B. 75
Trypsin 23
Trypsinogen 233
Tsui, Lap-Chee 149, 325
Tuck, Adrian F. 324
Tully, Joseph G. 356
Turing machine, five-state 191
Turner, Christy G., II 100
Turner, James E. 297
Turtles 407
Type A behavior 15


## U


Uhing, George 191
Ullmann, Daniel O. 367
Ulrich, Roger K. 280
Umbilical cord 293
United States Department of Agriculture 120
Universe 279, 326, 340
UNK accelerator 118
Updyke, Wynn F. 199
Uranium 317
Urry, Dan W. 398


## V


Vaccines, AIDS 116, 372
Vaccines, hepatitis 199
Vaccines, pertussis 276
Vaccines, RSV 38
van Dover, R. Bruce 383
Van Lear, David 57
Van Neer, Wim 138
Van Schmus, William R. 228
VanDevender, J. Pace 247
Varmus, Harold E. 244
Vegetables 102, 119
Venus, volcanic activity 383
Verapamil 362
Verbicky, John W. 222
Vercellotti, John R. 189
Verlinsky, Yury 326
Vermeji, Geerat 78
Vernik, Lev 267
Vesta asteroid 334
Video images 407
Vilas, Faith 334
Vincenzo, Pier 215
Violence 250
Virus transmission 372
Viruses 200, 202, 234, 244, 327
(see also specific viruses by name)
Viruses, engineered 46
Viruses, marine 100

Vision . . . . . 297
Vita, Joseph A. . . . . 349
Vitamin B6 . . . . . 277
Vitamin B12 . . . . . 277
Vitamin C . . . . . 133, 255, 277
Vitamin E . . . . . 277
Vitamin K . . . . . 277
Vitiello, Michael V. . . . . 7
Volberding, Paul . . . . . 299
Volcanic activity, Venus . . . . . 383
Volcano watch system . . . . . 407
Volcanoes . . . . . 271
Volk, Tyler . . . . . 127, 376
Von Neumann, John . . . . . 72
von Riesenmann, Walter A. . . 166
Voyager missions . . . . . 36, 87, 103, 111, 119, 148, 231, 247, 300, 391

## W

Waddington, John L. . . . . 308
Walker, Joan . . . . . 310
Wallace, Douglas C. . . . . 85
Wallace, Lance A. . . . . 245
Walsworth, Ronald L. . . . . 181
War . . . . . 284
Ward, Michael D. . . . . 295
Warwick, James W. . . . . 148
Waste incineration . . . . . 381
Waste Isolation Pilot Plant . . . . 47
Water molecules . . . . . 47
Water scarcity . . . . . 398
Wathen, Michael W. . . . . 38
Watson, Janet . . . . . 361
Weakly interacting massive particles . . . . . 281
Wearie, Denis . . . . . 72
Weber, Richard J. . . . . 36
Webster, Robert G. . . . . 200
Weems, Robert E. . . . . 21
Weight loss . . . . . 412
Weinberg, Steven . . . . . 181
Weiner, Alan M. . . . . 229
Weiner, Howard L. . . . . 21
Weinstock, Martin A. . . . . 30
Weisse, Carol S. . . . . 141
Weisskopf, Victor F. . . . . 89
Weissman, Myrna M. . . . . 293
Weitzman, Michael . . . . . 247
Wells, John . . . . . 414
Wells, Kenneth B. . . . . 132, 381
Wendling, Robert M. . . . . 191
Wendorf, Fred . . . . . 138
Werner, Samuel A. . . . . 363
Weschler, Charles J. . . . . 198
West, Robert . . . . . 23
Westheimer, Frank H. . . . . 229
Whigham, Dennis F. . . . . 134
White, Randall . . . . . 388
Whiting, Robert D. . . . . 175
Whitten, Gary . . . . . 155
Widom, Cathy Spatz . . . . . 61
Wieder, Kelman . . . . . 143
Wielicki, Bruce A. . . . . 107
Wilderness inventory . . . . . 94
Wildfires . . . . . 127
Wilfong, Debra L. . . . . 286
Wilkinson, Marcia . . . . . 136
Williams, Redford B., Jr. . . . . 15
Williams, Roger R. . . . . 254
Wilson, Allan C. . . . . 254
Winds, Neptune . . . . . 391
Wine . . . . . 318
Wineland, David J. . . . . 103, 181
Wing, Rena R. . . . . 186
Winter, David, Jr. . . . . 39
Witmer, Lawrence M. . . . . 332
Witten, Alan J. . . . . 413
Wobble motors . . . . . 10
Wolf, Emil . . . . . 326
Wolf, Kevin . . . . . 278
Wolf-Rayet stars . . . . . 102
Wolfenstein, Lincoln . . . . . 280
Wolpoff, Milford H. . . . . 365
Wolverton, Bill C. . . . . 212
Wood, Andrée R. . . . . 405
Wood, H. Alan . . . . . 46
Wooden, Joseph L. . . . . 228
Woods, D. Tod . . . . . 252
World Psychiatric Association . . . . . 278
Worthen, G. Scott . . . . . 39
Wright, Ian P. . . . . 53
Wyden, Ron . . . . . 359
Wylie, Russ . . . . . 199

## X, Y, Z

X-ray crystallography . . . . . 349
X-ray sources (celestial) . . . . . 252
X-rays . . . . . 183, 311
X-rays, health effects . . . . . 404
Yacoubian, Viken V. . . . . 92
Yarchoan, Robert . . . . . 69, 231
Yasrebi, Mehrdad . . . . . 383
Yasukawa, Ken . . . . . 311
Yavitt, Joseph B. . . . . 143
Yeung, Alan C. . . . . 341
Yogurt . . . . . 52
Young, Frank E. . . . . 245
Yu, Nan . . . . . 103
Z° particles . . . . . 69, 159, 260
Zambryski, Patricia . . . . . 188
Zaranonello, Sergio . . . . . 191
Zavaroni, Ivana . . . . . 185
Zent, Aaron P. . . . . 111
Zickgraf, Franz-Josef . . . . . 12
Zidovudine . . . . 102, 135, 141, 396
Zimran, Ari . . . . . 135
Zinberg, Norman E. . . . . 392
Zito, Richard R. . . . . 375
Zivin, Justin A. . . . . 292
Zoback, Mark D. . . . . 267
Zonderman, Alan B. . . . . 150
Zweibel, Kenneth B. . . . . 44


# The Book of Tests

## *Selected by Allen D. Bragdon*

**1,558 good questions (with answers) that test professional and academic qualifications from all walks of life.**

*Harper & Row, 1989, 315 pages, paperback, $10.95*
*ISBN 0-06-096358-1*

**Science News Books**
1719 N Street, NW
Washington, DC 20036

Please send _____ copy(ies) of **The Book of Tests.** I include a check payable to Science News Books for $10.95 plus $2.00 postage and handling (total $12.95) for each copy. Domestic orders only.

Name _____

Address _____

City _____

State _____ Zip _____

Daytime # (_____) _____
(used only for problems with order) RB1169

**Tests include:**
**Astrology** (Milo Kovar Institute of Astro-Psychology) • **Automotive Mechanics** (Denver Automotive & Diesel College) • **Barbering** (Moler Barber College) • **Bartending** (Boston Bartenders School) • **Broadcasting** (Columbia School of Broadcasting) • **Contractor's License** (American Schools) • **Cosmetology** (Wilfred Academy of Beauty) • **CPA** (American Institute of Certified Public Accountants) • **Executive Secretarial** (Katharine Gibbs School) • **Fashion Design** (Progressive Fashion School) • **Firefighting** • **Floral Design** (Career Floral Design Institute) • **Geography** (National Council for Geographic Education) • **Graphology** • **History & Literature** (National Assessment of Educational Progress) • **Interior Design** (Academy of Art College) • **Japan National University Entrance Exam** • **Massage Therapy** (Atlanta School of Massage) • **Math** (National Assessment of Educational Progress) • **Notary Public** (State of California) • **Postal Service Clerk/Carrier** • **Restaurant/Hotelier** (American College of Hotels & Restaurant Management) • **Securities Trading** (Securities Training Corporation)

**Try these, for example:**

**Floral Design:** What flower usually lasts the longest in water?

**Automotive Mechanics:** An automatic transmission does not work right. What should the technician check first?

**Bartending:** What is the difference between cognac and brandy?

**Fashion Design:** What did Queen Victoria's waist measure?

**History:** What was the first permanent English colony in the New World?